



RESPONSE UNDER 37 CFR 1.116-  
EXPEDITED PROCEDURE EXAMINING  
GROUP 1647

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APR 24 2001

0660-0135-0X C

TECH CENTER 1600/2900

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

#78/D  
MS  
04/26/01

IN RE APPLICATION OF: :  
SHIRLEY LONGACRE-ANDRE ET AL : EXAMINER: TURNER  
SERIAL NO: 09/134,333 :  
FILED: AUGUST 14, 1998 : GROUP ART UNIT: 1647  
FOR: RECOMBINANT PROTEIN :  
CONTAINING A C-TERMINAL  
FRAGMENT OF PLASMODIUM  
MSP-1

NOT ENTERED

AMENDMENT

ASSISTANT COMMISSIONER FOR PATENTS  
WASHINGTON, D.C. 20231

SIR:

Responsive to the Official Action dated October 24, 2000, please amend the above-identified application as follows:

IN THE CLAIMS

Please cancel Claims 68-116 without prejudice and insert therefor the following new

Claims:

117. (New) A recombinant protein whose essential constituent polypeptide sequence comprises:

a 19 kilodalton (p19) C-terminal fragment of the surface protein 1 of the merozoite form (MSP-1 protein) of a *Plasmodium* parasite that is infectious in man, other than *Plasmodium vivax*, wherein said C-terminal fragment remains anchored to the surface of said *Plasmodium* parasite at the end of its penetration phase into human erythrocytes during an

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